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Y Yemini... - IFIP/IEEE International Workshop on Distributed ..., 1996 - Citeseer

... This paper describes an architecture for programmable network nodes; **middleware** for **agent**-based ... Dataflow programs, however, do not require explicit and complex **synchronization** mechanisms (eg ... We describe a Remote Network Monitor, an SNMP **Agent**, and an ATM ...

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M Zargayouna, F Balbo... - ... Societies in the Agents World VI, 2006 - Springer

... us to send our messages via a provider in an asynchronous way, which releases our server and the distant **agent** of the **synchronisation** of http. ... Figure 3 focuses on the internal interactions -the messages exchanged inside the **middleware**, presented by an AUML diagram. ...

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[\[CITATION\] Evaluation of java messaging middleware as a platform for software agent communication](#)

F Kargl, T Illmann... - Proc. of JIT

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[A Multi-agent System for Integrated Control and Asset Management of Petroleum Production Facilities-Part 1: Prototype Design and Development](#)

[\[PDF\] from psu.edu](#)

AF Sayda... - Intelligent Control, 2008. ISIC 2008. ..., 2008 - ieeexplore.ieee.org

... Post(Stat) Wait Wait C2mat(Processed data) C2mat(Processed data) **Synchronization** Data transfer

Fig. ... Stat **agent** Stat **agent** **middleware** Stat **agent** MATLAB session FDIA **agent** FDIA **agent** **middleware** FDIA **agent** MATLAB session MPI library GSI library Windows XP ...

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[\[PDF\] Group Support Platform: Middleware Support For Group-Based Distributed Applications](#)

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K Farooqui - Citeseer

... and membership management protocols, such as virtual **synchrony** (VSYNC) etc. ... The P-**Agent** selects the appropriate MP-Object and gives it the GPDU and the addresses of ... The GSM acts as a single logical **middleware** entity placed between the member object and the underly ...

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Informational middleware based on mutual awareness

F Balbo, M Zargayouna... - Intelligent **Agent** ..., 2005 - [ieeexplore.ieee.org](#)

... distant and interacts with the server by asynchronous SOAP messages means that the server doesn't have to worry about the **synchronization** of the ... Second, the same Interface **agent** can have more than one LA **agent** representing it in different **middleware** servers, covering ...

[Cited by 2](#) - [Related articles](#) - [All 9 versions](#)

Middleware filter agent between server and PDA

X Xue... - US Patent App. 10/666,402, 2003 - Google Patents

... More particularly, the present invention relates to the field of providing a middle- ware **filter agent** to **filter** content sent between ... In this manner, the content received by the PC 32 is selectively filtered by the **middleware filter** 34, such that only ... [0023] Data **synchronization** can also ...

[All 2 versions](#)

Data Synchronization Infrastructure with Middleware

X Ma, Y Zhou, J Han... - ..., Networking and Mobile ..., 2007 - [ieeexplore.ieee.org](#)

... devices and data server via HTTP protocol when revision of records in local address book The following is java source code about the framework of the network connection with **middleware** and program ... C. One-way **Sync** from Client The **Sync Server Agent** and the **Sync** ...

A Lexical Database Filter for Efficient Semantic Publish/Subscribe Message Oriented Middleware

YCN Lien... - Computer Engineering and Applications (..., 2010 - [ieeexplore.ieee.org](#)

... Therefore, it is necessary for an **agent (middleware)** to glue these heterogeneous platforms (or ... system to be full decoupled: in Time, Space and **Synchronization** [2]. In ... Traditional Publish/Subscribe Message Oriented **Middleware** uses keywords to match published content ...

[Related articles](#) - [All 2 versions](#)

An Application Program and Error Sharing Agent Running on Ubiquitous Networks

EN Ko... - ICAT'06. 16th International Conference on, 2007 - [ieeexplore.ieee.org](#)

... architecture is used. We proposed an adaptive **synchronization control agent** based on a hybrid software architecture which is adopting the advantage of CACV and RARV for situation-aware **middleware**. It described a ...

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V Jittamas - 2007 - [kar.kent.ac.uk](#)

... for making decisions during each **synchronisation** process. The last section describes the **Synchroni**- ... Lastly, the chapter contains information concerning how the **middleware** allows user-defined information to be gathered using the context gathering **agent** interface. ...

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OptimalGrid: middleware for automatic deployment of distributed FEM problems on an Internet-based computing grid

TJ Lehman... - Cluster Computing, 2003. ..., 2005 - [ieeexplore.ieee.org](#)

... monitor all compute **agent** performance and "manage" any agents that are not in **sync** with the ... Philosophically, OptimalGrid makes the assumption that the **middleware** does not have full

administrative control over the ... Since a single slow compute **agent** will slow down the entire ...

[Cited by 12](#) - [Related articles](#) - [All 3 versions](#)

High performance distributed real-time object computing environment

Z Xingshe, H Gang, L Yajie... - ... Performance Computing in ..., 2002 - [ieeexplore.ieee.org](#)

... The period of **synchronization** will be postponed or shortened according to the error is under or ... Since interceptors are standard in CORBA, the two **filters** can be easily migrated to ... This facility is a distributed **agent middleware** which conform to the OMG Mobile **Agent** specification ...

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[DOC] XMPP based Event Notification Middleware for Real-Time and Large Scale Health Care Integrated Ambient Systems

[\[DOC\] from metu.edu.tr](#)

W Labidi, JF Susini, P Paradinas... - ... , Proceedings of the ..., 2007 - [srdc.metu.edu.tr](#)

... provide decoupling between publishers and subscriber in space, time and **synchronization**, but also it ... G. Bianchi, S. Salsano: A Measurement Study of the Mobile **Agent** JADE Platform ... <http://www.toumaz.com/healthcare/>; IEEE DS Online-Event Based **Middleware** Community [http](#) ...

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[PDF] Scene synchronization in close coupled world representations using SCIVE

[\[PDF\] from psu.edu](#)

ME Latoschik, C Froehlich... - International Journal of Virtual ..., 2006 - Citeseer

... currently utilized to design a large scale continuously running virtual world for **agent** interactions. ... Second, to optimize the temporal **synchronization** and conflict resolution component to signal modules in ... S. Limet, E. Melin, B. Raffin, and S. Robert, "Flowvr: a **middleware** for large ...

[Cited by 5](#) - [Related articles](#) - [View as HTML](#) - [All 4 versions](#)

Enhancing the environment with a law-governed service for monitoring and enforcing behavior in open multi-agent systems

[\[PDF\] from psu.edu](#)

R Paes, G Carvalho, M Gatti, C Lucena... - ... for Multi-**Agent** ..., 2007 - Springer

... questions, it allows the easy specification of global laws with no need for state **synchronization**. ... presented some of the main ideas behind research into governance of **agent** systems ... Then, from a Software Engineering perspective, we have proposed a **middleware** that allows the ...

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Mechanisms for environments in multi-agent systems: Survey and opportunities

[\[PDF\] from psu.edu](#)

E Platon, M Mamei, N Sabouret, S Honiden... - ... Agents and Multi-**Agent** ..., 2007 - Springer

... An example of mechanism for the field approach is the TOTA **middleware** [34]. ... Multi-**Agent** Based Simulations (MABS) are representative examples in the MAS community [27, 32]. ... applications complete the real-world with a computational counterpart that evolves in **synchrony**. ...

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[PDF] Building conversational agents in Second Life using Basilica

[\[PDF\] from rohitkumar.net](#)

R Kumar, BK Weusijana... - submitted to Interspeech - [basilica.rohitkumar.net](#)

... by Basilica has further advantages for building multi-modal conversational applications due to the need for different levels of **synchrony** for communication ... The PresenceActor and the ChannelFilter components of the conversational **agent** use the **middleware** interface to ...

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[\[PDF\] Mobile Agents Approach in Mobile Learning Environment-ACID Mobile Transaction](#)

[\[PDF\] from oum.edu.my](#)

C Sheng-Hung - [ici9.oum.edu.my](#)

... Mobile agents act as **middleware** for mLearning, where many sophisticated courses databases may allow ... **Synchronization** or data distribution of a subscription can be requested either by the ...

G. Snapshot **Agent** The Snapshot Replication **Agent** makes snapshot files, stores the ...

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[Interest management in agent-based distributed simulations](#)

L Wang, SJ Turner... - Distributed Simulation and Real- ..., 2003 - [ieeexplore.ieee.org](#)

... for this game to circumvent the problem resulting from the **synchronization** of services ... for some currently unsynchronized RTI services and/or exploring a **middleware** between the ... Furthermore, when more than one **agent** participates in the environment, the game scenario will be ...

[Cited by 20](#) - [Related articles](#) - [All 7 versions](#)

[Middleware: Middleware challenges and approaches for wireless sensor networks](#)

[\[PDF\] from psu.edu](#)

S Hadim... - IEEE Distributed Systems Online, 2006 - [ieeexplore.ieee.org](#)

... The updater **agent** is in charge of achieving effective software updates with resource ... It's actually a suitable operating system to develop more **middleware** services for WSN ... Kairos addresses node **synchronization** in either a loose **synchronization** or a tight **synchronization**. ...

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[\[PDF\] A Java Middleware for the development of actor-based multimedia systems over Internet MBone](#)

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G Fortino, L Nigro... - Proc. of ISAS - Citeseer

... model [1] has the potential to fulfil the challenging requirements of a **middleware** infrastructure for ... in a client subsystem can perform fine-grain inter-media **synchronisation** (eg, lip **sync**). ... and QoS Broker Multiple session support is the responsibility of a system-**agent** called a ...

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[\[PDF\] Distributed event dissemination for ubiquitous agents](#)

[\[PDF\] from psu.edu](#)

S Tarkoma - 10th ISPE International Conference on Concurrent ... - Citeseer

... **Synchronization** is achieved using timestamps, causal ordering or total ordering of events. ...

Journal of Autonomous Agents and Multi-**Agent** Systems, Volume 1, Number 1. ... Application

Requirements for **Middleware** for Mobile and Pervasive Systems. ...

[Cited by 2](#) - [Related articles](#) - [View as HTML](#) - [All 5 versions](#)

[A pattern language for multi-agent systems](#)

[\[PDF\] from psu.edu](#)

D Weyns - ... Architecture, 2009 & European Conference on ..., 2009 - [ieeexplore.ieee.org](#)

... service makes use of a distributed communication system provided by underlying **middleware**. ...

By separating the various concerns (communication, per- ception, **synchronization**, etc.), the decomposition ... with the selected **filters** before up- dating the **agent's** current knowledge. ...

[Cited by 1](#) - [Related articles](#) - [All 5 versions](#)

[\[doc\] Everything is alive agent architecture](#)

[\[DOC\] from uark.edu](#)

J Robertson... - ... of Knowledge Intensive Multi-**Agent** ..., 2005 - [csce.uark.edu](#)

... Task order, **synchronization**, real-time progress tracking, and target information must all be ... and support of SOAP, WSDL and UDDI help EiA agents interoperate with conventional **middleware**.

We observe that the burden is on the **agent** community to demonstrate interoperability ...

Cited by 1 - [Related articles](#) - [View as HTML](#) - [All 4 versions](#)

Agent-Oriented Middleware for Mobile eLearning Services

S Stoyanov, V Valkanova, I Ganchev... - ... COMPSAC'09. 33rd ..., 2009 - [ieeexplore.ieee.org](#)

... overall architecture that is concerned with controlling the InfoStations, and with the overall updating and **synchronization** of information ... InfoStation network provides a dynamic environment for mLearning services provision, the task of the **agent**-oriented **middleware** is to ...

[Related articles](#) - [All 6 versions](#)

Building programmable routing service for sensor networks

[\[PDF\]](#) from [uece.br](#)

Y He... - Computer Communications, 2005 - Elsevier

... To start this protocol, a node first broadcasts an initial request among its neighbors for each parameter it wants to **synchronize** (the node can obtain the parameter ... The deployment service includes a demultiplexer/multiplexer, a broadcast **agent**, a **synchronization agent**, and a ...

Cited by 4 - [Related articles](#) - [All 5 versions](#)

Agile middleware of pervasive computing environments

[\[PDF\]](#) from [ufpe.br](#)

E Niemela... - Pervasive Computing and ..., 2004 - [ieeexplore.ieee.org](#)

... execution details by aspects of system implementation, eg binding time and **synchronization**. ...

G. Cabri, L. Leonardi, and F. Zambonelli, "Engineering Mobile **Agent** Applications via ... R. Cerqueira,

A. Ranganathan, RH Campbell, and K. Nahrstedt, "A **Middleware** Infrastructure for ...

Cited by 20 - [Related articles](#) - [All 4 versions](#)

[PDF] QoS centred Java and actor based framework for real/virtual teleconferences

[\[PDF\]](#) from [psu.edu](#)

G Fortino, L Nigro - Proc. of SCS EuroMedia, 1998 - Citeseer

... Video RTP Inter **Synch** Audio Presentation Video Presentation ... RTP/RTCP Control channel Figure

7: **Synchronization Filter/Agent** CONCLUSIONS AND FURTHER WORK ... 1997. "Toward a common infrastructure for multimedia-networking **middleware**." In Proc. 7th Int. ...

Cited by 12 - [Related articles](#) - [View as HTML](#) - [All 5 versions](#)

2009 IEEE/WIC/ACM International Joint Conference on Web Intelligence and Intelligent Agent Technology

L Ardissono, G Bosio, A Goy, G Petrone... - 2009 - [computer.org](#)

... Moreover, this **agent** tracks the sphere of activity in the users' focus of attention ... policies; see Section

III-B. The ICE is based on the **SynChronization** Framework (SynCfR, [12 ... This environment includes a Coordination **Middleware** handling the propagation of context information ...

[Related articles](#)

A framework for designing, modeling and analyzing agent based software systems

[\[PDF\]](#) from [psu.edu](#)

KM Kavi, M Aborizka... - Algorithms and Architectures ..., 2003 - [ieeexplore.ieee.org](#)

... The annotations can also be used by runtime systems or **middleware** to schedule **agent** ... Internal mechanisms are needed to assure proper coordination and **synchronization** of concurrent threads

(eg ... to illustrate the use of our framework for the design of **agent**-oriented software ...

[Cited by 16](#) - [Related articles](#) - [All 15 versions](#)

[\[PDF\] Benchmarking Mobile-Agent Systems](#)

[\[PDF\] from psu.edu](#)

M Dikaiakos, M Kyriakou... - Dept. of Computer Science, 2001 - Citeseer
... that we use to evaluate the performance of mobile-**agent middleware** quantitatively. In 8 ... **SYNCH**
Captures the overhead of blocking messaging, which ... MSG-MA Captures the overhead of
agent-communication with messenger agents. Table 1:Definition of Micro-benchmarks. ...
[Cited by 6](#) - [Related articles](#) - [View as HTML](#) - [All 8 versions](#)

[\[PDF\] Oracle Enterprise Service Bus: The Foundation for Service Oriented Architecture](#)

[\[PDF\] from oracle.com](#)

..., **OF Middleware** - Retrieved from: <http://www.oracle.com/global> ..., 2007 - oracle.com
... Page 4. Oracle Fusion **Middleware** Page 5. Apps Legacy ... Transactional (whenever possible) •
Sync, Async, bi-directional • Wizards-driven, graphical introspection of target systems ... No security
hard-coded in endpoints → Deployment options: gateway or **agent** modes ...
[Cited by 2](#) - [Related articles](#) - [View as HTML](#)

[Delivering QoS in open distributed systems](#)

[\[PDF\] from psu.edu](#)

F Siqueira... - ... 7th IEEE Workshop on Future Trends of, 2002 - ieeexplore.ieee.org
... The term 'QoS architecture' is used to describe **middleware** that provides applications with
mechanisms for QoS specification and enforcement ... **Agent** Figure 3. The QUattz/CORBA
framework For **synchronisation** of media we adopt the notification service [16], an extension to ...
[Cited by 9](#) - [Related articles](#) - [All 13 versions](#)

[PSWare: A publish/subscribe middleware supporting composite event in wireless sensor network](#)

S Lai, J Cao... - Pervasive Computing and ..., 2009 - ieeexplore.ieee.org
... a lot of issues in designing an efficient event detection protocol such as distributed processing,
time **synchronization** and energy ... Event **filters** which represent ... Transactions on Database Systems
(TODS), 2005 [8] CL Fok, GC Roman, C Lu, "Mobile **agent middleware** for sensor ...
[Cited by 1](#) - [Related articles](#) - [All 4 versions](#)

[Collection and object synchronization based on context information](#)

S Tarkoma, T Lindholm... - Mobility Aware Technologies ..., 2005 - Springer
... updated (7). After this the col- lection is synchronized using the **sync** operation (8 ... N., Kormentzas,
G., eds.: Sec- and International Workshop on Next Generation Networking **Middleware**. ... addressing:
The concept and an implementation for large-scale mobile **agent** systems using ...
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[A middleware architecture for streaming media over IP networks to mobile devices](#)

[\[PDF\] from iitb.ac.in](#)

K Curran... - ... and Networking, 2003. WCNC 2003. 2003 ..., 2003 - ieeexplore.ieee.org
... enriched with additional functionality such as transport protocol functionality, **synchronization**
and presentation ... resource requirements for processing, translation, and transmission thus
middleware must combine ... and a server communicating using a proxy and a home **agent**. ...
[Cited by 11](#) - [Related articles](#) - [All 2 versions](#)

Interoperability middleware for federated enterprise applications in web-Pilarcos

[\[PDF\] from minge.ch](#)

L Kutvonen, T Ruokolainen, J Metso... - ... of Enterprise Software ..., 2006 - Springer
... available at the operational time, and that there is a **synchronization** and negotiation ... 1. The
web-Pilarcos B2B **middleware** architecture, and flow of messages when a ... The eCommunity
management is done in cooperation with Business Network Management **Agent** (BNMA) and ...
[Cited by 18](#) - [Related articles](#) - [All 3 versions](#)

Agent-adaptor architecture for use in enterprise application integration systems

JT Taylor... - US Patent 6,256,676, 2001 - Google Patents
... 3,2001 (54) **AGENT**-ADAPTER ARCHITECTURE FOR USE IN ENTERPRISE APPLICATION
INTEGRATION SYSTEMS (75) Inventors: John Timothy Taylor, Leesburg; Hon-Siew Yee, Herndon,
both of VA (US) (73) Assignee: SAGA Software, Inc., Reston, VA (US) (*) Notice ...
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Management of Information Markets with Mobile Software Agents

[\[PDF\] from uzh.ch](#)

R Riedl... - Business and Work in the Information ..., 1999 - books.google.com
... of information systems and the feasibility of asynchronous **agent**-based **synchronization**
procedures in ... partner in the ABDRA project, UBS, show that **agent** technology has now achieved
industrial relevance, as it represents communication **middleware** with programmable ...
[Cited by 1](#) - [Related articles](#) - [All 9 versions](#)

XMPP based Health Care Integrated Ambient Systems Middleware

W Labidi, JF Susini, P Paradinas... - Developing Ambient ..., 2008 - Springer
... engine provide decoupling between publishers and subscriber in space, time and **synchronization**,
but it ... G. Bianchi, S. Salsano: A Measurement Study of the Mobile **Agent** JADE Platform ... IEEE DS
Online-Event Based **Middleware** Community <http://dsonline.computer.org/> 18. ...
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Adaptive connectivity management middleware for heterogeneous wireless networks

[\[PDF\] from ufpe.br](#)

JZ Sun, J Riekk, M Jurmu... - Wireless Communications, ..., 2005 - ieeexplore.ieee.org
... All the network adaptation mechanisms are abstracted and placed onto the **middleware** level,
since the monitoring and control of ... CHANNEL MANAGEMENT **AGENT** ... Each channel maintains
a local buffer and R/W point-ers for the purpose of data **synchronization** dur- ing ...
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[PDF] Trends in middleware for mobile ad hoc networks

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S Hadim, J Al-Jaroodi... - Journal of Communications, 2006 - Citeseer
... sharing that allows on-line collaboration, off-line data manipulation, **synchronization** and
application ... EXPERIENCE is a **middleware** layer over JXTA that addresses issues with regard
to ... code mobility and service migration, including support for mobile **agent** systems allowing ...
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A comprehensive middleware architecture for context-aware ubiquitous computing systems

[\[PDF\] from khu.ac.kr](#)

A Shchzad, HQ Ngo, SY Lee... - ... and Information Science, ..., 2006 - ieeexplore.ieee.org

... contexts to applications as well as notifying the applications of context changes [5]. Here we mention our **middleware** architecture components, in **sync** with the ... These two first steps will modify the Feature Extraction **Agent** template provided by the **Middleware** System to ...

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Monitoring and testing **middleware** based application software

X Logean, F Dietrich, JPA Hubaux... - US Patent ..., 2003 - Google Patents

... by examiner Primary Examiner—Hoang-Vu Antony Nguyen-Ba (74) Attorney, **Agent**, or Firm ... events is reconstructed eg either by a logical clock system, a **synchronization** protocol, or ... For example, in the CORBA **middleware** specification, there is a standardized notion that can be ...

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Design and application of TOAST: an adaptive distributed multimedia **middleware** platform

[\[PDF\]](#) from psu.edu

T Fitzpatrick, J Gallop, G Blair, C Cooper... - Interactive Distributed ..., 2001 - Springer

... work at Lancaster investigates the use of reflection techniques in more generalized **middleware** in the ... The intended use is to allow the programmer or adaptive **agent** (eg a ... imposed by multithreaded components; the context-switching and other thread **synchronisation** having a ...

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Network emulation in the Vint/NS simulator

[\[PDF\]](#) from psu.edu

K Fall - ... 1999. Proceedings. IEEE International Symposium on, 2002 - ieeexplore.ieee.org

... ns use-scheduler RealTime ; # specify the real-time **sync**'d scheduler set ... The echo **agent** is connected to the tap **agent** on Node 0. Upon receiving simulator packets, the tap **agent** on Node 0 injects the ... Toward a common infrastructure for multimedia- networking **middleware**. ...

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[\[PDF\]](#) Stream Reasoning in DyKnow: A Knowledge Processing **Middleware** System

[\[PDF\]](#) from psu.edu

F Heintz, J Kvarnstrom... - Proc. 1st Int'l Workshop Stream Reasoning - Citeseer

... pattern of communication decouples knowledge processes in time, space, and **synchronization** [6], providing a ... We have presented DyKnow, a stream-based knowledge processing **middleware** frame- work ... for bridging the gap between sensing and reasoning in a physical **agent**. ...

[Cited by 2](#) - [Related articles](#) - [View as HTML](#) - [All 5 versions](#)

[\[PDF\]](#) Preprint: Proc. IEEE Enterprise Networking and Computing (ENCOM), Atlanta, GA, June r99u. 1 **Middleware** for Nomadic Access to Enterprise Information

[\[PDF\]](#) from ravijainweb.com

R Jain - Atlanta, 1999 - ravijainweb.com

... with those on fixed servers), cost analysis (ie, to deter- mine which **synchronization** strategies would ... anager provides a subset of the functional- ity required by the personal **agent**, and each ... Each of the functions that we have shown in the "Nomadicity **middleware**" section consists ...

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[\[PDF\]](#) A Customizable Active **Middleware** Architecture for Dynamic Deployment and Management of Internet-based Multimedia Services

[\[PDF\]](#) from psu.edu

G Fortino, A Mantuano, W Russo... - Citeseer

... Thus, the clones engage a **synchronization** phase which allows the second sc ... This paper have proposed and exemplified an active **middleware** architecture, which blends the ... highlighted the emergence of software engineering methodologies for mobile **agent**- based software ...

[Related articles](#) - [View as HTML](#) - [All 5 versions](#)

MagCat: an **agent**-based metadata service for data grids

BB de Sousa, FJS da Silva... - Cluster Computing and ..., 2006 - ieeexplore.ieee.org

... MagCat also deals with replica management and **synchronization**. MagCat was developed based on an **agent** paradigm, considering the advantages presented in section 1 ... 1], consists of a metadata service developed for the Storage Resource Broker **middleware** (SRB) with the ...

[Related articles](#) - [All 4 versions](#)

[PDF] Adding safeness to dynamic adaptation techniques

[\[PDF\] from psu.edu](#)

J Zhang, Z Yang, BHC Cheng... - Proceedings of the ICSE ..., 2004 - Citeseer

... between the root (the initiator of the recomposition) and other processes to **synchronize** the re ... auto- mated: The algorithms are carried out by the manager and the **agent** programs. ... in Proceedings of the ACM SIGPLAN Workshop on Optimization of **Middleware** and Distributed ...

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Visperf: Monitoring tool for grid computing

[\[PDF\] from psu.edu](#)

DW Lee, J Dongarra... - Computational Science—ICCS ..., 2003 - Springer

... example, the NetSolve module at the bottom of the figure is used for communicating with the NetSolve **agent** to query ... This module periodically sends a **synchronization** message to its local sensors. ... The interactions of the **middleware** are displayed in an animated resource map. ...

[Cited by 20](#) - [Related articles](#) - [BL Direct](#) - [All 14 versions](#)

Evaluating mobile **agent** platform security

A Bürkle, A Hertel, W Müller... - Multiagent System Technologies, 2006 - Springer

... TC9: Replacing the policy **filter**. – TC10: Replacing the Java security manager. ... The **synchronization** on the ... Volume 2773 of LNCS., Oxford, UK, Springer (2003) 921 – 928 4. Fok, C., Roman, G., Lu, C.: Mobile **Agent Middleware** for Sensor Networks: An Ap- plication Case Study ...

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UPnP into a car-gateway **middleware** with OSGi: Interoperability and security

[\[PDF\] from aido.es](#)

AR Nieves, JS Gomez-Escalonilla... - Intelligent solutions ..., 2009 - ieeexplore.ieee.org

... Direct **sync** Transparent **sync** Fig. ... Then, the security **agent** invokes someService on the target device. In return, the device provides a response RES. The security subsystem propagates the response to the invoker **middleware** following symmetrically the previous steps. VI. ...

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A **middleware** support for **agent**-based application mobility in pervasive environments

[\[PDF\] from polyu.edu.hk](#)

Y Zhou, J Cao, V Raychoudhury, J Siebert... - 2007 - computer.org

... The above observations motivate us to approach it from the **middleware** perspective, offering a **middleware**-level support for ... Our demo simplifies this process and lets **agent** clone the application and migrate to the separate rooms and establish the **synchronization** links with ...

[Cited by 2](#) - [Related articles](#) - [All 5 versions](#)

[\[PDF\] Intelligent Content Transformation in Tactical Wireless Networks](#)

[\[PDF\] from 202.194.20.8](#)

F Caruso, T Chen, M Fiuk, V Kaul, I Hokelek... - 202.194.20.8

... time(E); The C2MINCS Persistence module maintains the current state of a session and allows a C2MINCS client **agent** to **synchronize** to this ... For the SOA gateway, a JMS **middleware** bus [12] transport adaptor was tested over UDP to decrease loss sensitivity and increase ...

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S Li, Y Lin, SH Son, JA Stankovic... - Telecommunication Systems, 2004 - Springer

... The mobile-**agent**-based approach, however, leverages on the migration traffic of mobile agents ... the first step to deliver a flexible and efficient data service **middleware** for sensor ... D. Jayasimha, S. Ivengar and R. Kashyap, Information integration and **synchronization** in distributed ...

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... Page 7. 6. **Agent** Coordination via Scripting Languages 7 ... In addition to lo- cal **synchronization**, rsh has to open an network connection, **synchronize** the communication between the remote process, itself, and the local I/O streams, and close the network connection upon ...

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... Users are able to add, delete and update service bundles, and **synchronize** with other repositories. ... is deployed in the space, the plug-and-play capability ensures that a service bundle is activated in the Atlas **middleware**; at the same time, the Service **Agent** Loader detects ...

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B Chen... - Computer - Aided Civil and Infrastructure ..., 2010 - Wiley Online Library

... Figure 4. An SHM sensor node integrated with a mobile **agent middleware**. ... The mobile diagnosis **agent** collaborates with data acquisition agents (typically stationary agents) residing in sensor ... A number of **synchronization** schemes (Elsoufi et al., 2002; Ganeriwal et al., 2003; Van ...

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N Janssens, L Desmet, S Michiels... - ... reflective **middleware**, 2004 - portal.acm.org

... dition, similar to the case of asynchronous unidirectional communication, a **synchronization** message to ... In The 2nd Workshop on Reflective and Adaptive **Middleware**, Rio de Janeiro, Brazil ... An **Agent** Design Method Promoting Separation Between Computation and Coordination ...

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Identity Management

CW Thompson, DR Thompson - IEEE Internet ..., 2007 - doi.ieeecomputersociety.org

... One high-level view of an overall architecture is that the edge technologies collect information; enterprise or global **synchronization** networks **filter** that ... His research interests include software architecture, **middleware**, data engineering, and **agent** technologies. ...

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An agent-based approach to tool integration

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F Corradini, L Mariani... - International Journal on Software Tools ..., 2004 - Springer

... 4 presents the **agent**-based **middleware** soft-ware architecture and shows how the layers ... a User-Level Workflow (ULW) specification that is mapped to an **Agent**-Level Workflow ... implementing all specified ac- tivities; agents are executed and their **synchronization** is supported ...

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Metrics for agent-based software development

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BH Far... - Electrical and Computer Engineering, ..., 2003 - ieeexplore.ieee.org

... hotocnls for communication, **synchronization**, etc. ... is decomposed into different levels of abstraction, such as application layer, business specific layer, **middleware** layer, etc ... The architectural uattem mav be extended to devi:re the internal architecture of each constituent **agent**. ...

Cited by 7 - [Related articles](#) - [All 7 versions](#)

Middleware service architecture over cellular network for mobile medical applications

J Light... - International Journal of Healthcare ..., 2007 - Inderscience

... 113 Page 8. 6.2 Services provided by the **middleware** ... Mobile database management: The prime function of this mobile **agent** would be data retrieval, insertion and **synchronisation** between the database server and the mobile clients while on the move. ...

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PC-based Event Filter supervisor: Design and Implementation

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Z Qian, CP Bee, E Fede, C Meessen... - 2000 - cdsweb.cern.ch

... features : remote-enabling a class; remote create instance of any class and obtain his proxy; dynamic class loading; , remote message (one-way, **sync**, future); multicast ... Mobile **agent** system : Voyager 3.3 ... It can be a CORBA server or a Message Oriented **Middleware** (MOM). ...

Extended middleware for fault-tolerant architecture

F Holzmann - Adaptive Cooperation between Driver and Assistant ..., 2008 - Springer

... 94 1 Extended **middleware** for fault-tolerant architecture ... Therefore, exclusive areas for inputs/outputs **synchronization** will be allocated especially if the costs of code overhead in the ... by the current architecture will be transferred to client-server links to isolate each **agent** and let ...

Congestion control in a reliable scalable message-oriented middleware

[\[PDF\]](#) from psu.edu

P Pietzuch... - **Middleware** 2003, 2003 - Springer

... Its asynchronous model is preferable to tight **synchronization**, for application integration and information ... paper focuses on congestion control mechanisms for reliable and scal- able messaging **middleware**. ... express inter- est in messages by providing a predicate/**filter**, that can ...

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Toward a common infrastructure for multimedia-networking middleware

[\[PDF\]](#) from psu.edu

S McCanne, E Brewer, R Katz... - ... System Support for ..., 2002 - [ieeexplore.ieee.org](#)
... solid understanding of many multimedia-system ab- stractions like cross-media **synchronization** [
10,271, mod ... multimedia objects to provide multiple levels of abstraction to the **middleware** user; ...
the basic set of objects, CMT provides a framework for **synchronizing** and controlling ...
[Cited by 154](#) - [Related articles](#) - [All 23 versions](#)

5 Mobile Middleware in Enterprise Systems

D Bruneo, A Puliafito, M Scarpa... - Handbook of Enterprise ..., 2009 - [books.google.com](#)
... that work offline and that send the information collected later through a subsequent
synchronization. ... This enables administrators to add and remove devices, **filters**, rules, and
dispatchers ... Bellavista, P., Corradi, A., and Stefanelli, C., Mobile **agent middleware** for mobile ...
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A management architecture for active networks

[\[PDF\]](#) from cnr.it

A Barone, P Chirco, G Di Fatta... - Active **Middleware** ..., 2002 - [ieeexplore.ieee.org](#)
... Proceedings of the Fourth Annual International Workshop on Active **Middleware** Services
(AMS'02) 0-7695-1721-8/02 \$17.00 © 2002 ... Clock and **sync** process ... application can subscribe
the management/monitoring service in a node by registering a unique ID to the local **agent**. ...
[Cited by 7](#) - [Related articles](#) - [All 8 versions](#)

[\[PDF\]](#) A Java performance monitoring tool

[\[PDF\]](#) from psu.edu

M Harkema, D Quartel, R van der Mei... - Proceedings TOOLS-2003 - Citeseer
... for implementing enterprise applications and off-the-shelf components, such as **middleware** and
business ... The library is linked with the JVMPI **agent**, and rewriting the byte-code occurs at run ... use
of Java monitors are to be logged (that implement **synchronization** and cooperation ...
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Delivering QoS in open distributed systems.

[\[PDF\]](#) from tcd.ie

V CAHILL - 1999 - [tara.tcd.ie](#)
... The term 'QoS architecture' is used to describe **middleware** that provides applications with
mechanisms for QoS specification and enforcement ... I **Agent** Figure 3. The QUattz/CORBA
framework For **synchronisation** of media we adopt the notification service [16], an extension to ...
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Mobile data collection in sensor networks: The TinyLime middleware

C Curino, M Giani, M Giorgetta, A Giusti... - Pervasive and Mobile ..., 2005 - Elsevier
... As usual, it is the **middleware** that takes care of creating this abstraction to ... Imagine a situation
where a single base station **agent** registers a reaction to display ... Physical time requires complex
synchronization algorithms [9] that introduce significant communication overhead. ...
[Cited by 42](#) - [Related articles](#) - [All 6 versions](#)

[DOC] Multi-Agent Architecture for Seamless Personal Communications

I lida, N Fujino, T Nishigaya... - itu.int

... In order to support offline operation, NA on the client supports data **synchronization** to guarantee the consistency of the state of agents on the client. ... We described the mobile communication **middleware** which consists of network adaptation and **agent** collaboration layer. ...

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Developing multimedia services using high-performance concurrent communication design patterns

H Lucic... - ..., 2003. ConTEL 2003. Proceedings of the ..., 2005 - [ieeexplore.ieee.org](#)

... to develop DirectShow@ - CORBA A/V Streaming **Agent**, which bonds above-mentioned **middleware** technologies ... 2. **Synchronization** of video and audio stream so they can be rendered at ... DCAV **Agent** is a DirectShow@ compatible source **filter** that uses CORBA A/V Streaming ...

[Cited by 1](#) - [Related articles](#)

MECHANISM FOR ADAPTIVE PROFILING FOR PERFORMANCE ANALYSIS

Y Chen, E Duesterwald, Y Li... - US Patent App. 20,090/ ..., 2008 - [freepatentsonline.com](#)

... performance challenges related to concurrency such as utilization, **synchronization** and sharing ... example, hardware, hypervisor, operating system (OS), language runtime, **middleware**, application, etc ... **Agent** monitors 106 adjust instrumentations that monitor the target system 114 ...

[Cached](#)

[PDF] Agents and Ambient Intelligence: the LAICA Experience

L Ferrari, G Cabri... - Citeseer

... Sensor agents can show themselves to the environment through the discovery and **sync**. ... can be exploited to find out other agents, that can help the sensor **agent** performing its ... leave the Aml environment dynamically, can exploit services provided by the **middleware** and the ...

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Towards middleware services for mobile ad-hoc network applications

T Plagemann, V Goebel... - 2003 - computer.org

... [48] M. Roman, D. Mickunas, F. Kon, RH Campbell, "LegORB and Ubiquitous CORBA, Workshop on Reflective **Middleware** at **Middleware**'2000, New ... [50] C. Sanchez, L. Gruenwald, "An **Agent**-Based Architec ... 149-160. [55] The SyncML Initiative, SyncML **Sync** Protocol, Version ...

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[\[PDF\] from uio.no](#)

Multimedia synchronization based on aspect oriented programming

A Furfaro, L Nigro... - Microprocessors and Microsystems, 2004 - Elsevier

... media streams, an audio stream and a video stream, and controlling the lip-**synch** problem. ... deals with maintaining the requirements of the temporal relationship between two or more media, such as lip-**sync**. ... Expiration of the first MaxEEDTask triggers the **synchronization** actions ...

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[PDF] Evaluating RFID middleware

S Leaver - 2004-08-13). <http://www.forrester.com> - [worxlogic.co.za](#)

... Related Research Documents "Linking RFID And Global Data **Sync**" June 11, 2004, Trends ...

[\[PDF\] from worxlogic.co.za](#)

specialists to get serious about capitalizing on the current demand for **RFID middleware**. The vendor's **EPC Agent** software package — which will add RFID-specific features like ...

[Cited by 15](#) - [Related articles](#) - [View as HTML](#) - [All 5 versions](#)

Experiences and future challenges in mobile **agent** programming

AR Tripathi, T Ahmed... - Microprocessors and Microsystems, 2001 - Elsevier

... It also supports **synchronization** of child agents using a pattern called fork-join. ... One is to provide mechanisms for such agents to **synchronize** and coordinate their activities. ... Our web search facility in built on top of a mobile **agent middleware** implemented to share files over the ...

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Miro-middleware for mobile robot applications

[\[PDF\]](#) from unipd.it

H Utz, S Sablatnog, S Enderle... - ... and Automation, IEEE ..., 2002 - ieeexplore.ieee.org

... objects, which can trade in- formation and services in an **agent**-like manner ... Section II are obtained for free by using CORBA as communica- tions **middleware**. ... vision systems, manipulators) from other manufacturers, the programmer must carefully **synchronize** the communication ...

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Construction of negotiation protocols for E-Commerce applications

[\[PDF\]](#) from utwente.nl

Z Zlatev, N Diakov... - ACM SIGecom Exchanges, 2004 - portal.acm.org

... Bidder instance with nodes A, B, C, D, and F (using auxiliary **Sync** channels ... The Reo coordination **middleware** allows plugging in of different component models for structuring the ... Two such languages from the Multi-**Agent** Systems field are AgenTalk [KUWABARA, ISHIDA AND ...

[Cited by 16](#) - [Related articles](#) - [Library Search](#) - [All 15 versions](#)

MidField system: configuration of media processing modules for multipoint communication

K Hashimoto... - World Review of Science, Technology and ..., 2010 - Inderscience

... The authors have designed and implemented a communication **middleware** and application suites. ... The stream plane consists of three layers, which are **synchronisation**, data transform and ... The authors had considered that for implementing a mobile **agent** platform Java, which ...

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Distributed **agent** environments in the Ambient Event Calculus

[\[PDF\]](#) from rhul.ac.uk

S Bromuri... - Proceedings of the Third ACM International ..., 2009 - portal.acm.org

... **agent** environment? Event filtering: how can entities **filter** the information that they receive from the **agent** environment? Delivery semantics: how are events propagated in a dis- tributed **agent** environment? Event Persistence ...

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Lime revisited

[\[PDF\]](#) from ufmg.br

B Carbunar, M Valente... - Mobile Agents, 2001 - Springer

... is symmetric to the AccFilter in that it appends the name of the **agent** to all ... This paper revisited Lime, a **middleware** communication infrastructure for mo- bile computation that addresses ... of Lime, which we call CoreLime, that has none of the global **synchronization** and atomicity ...

[Cited by 8](#) - [Related articles](#) - [All 5 versions](#)

[\[PDF\] Middleware support for fault tolerance](#)

[\[PDF\] from ufcg.edu.br](#)

D Szentiványi... - **Middleware** for ..., 2004 - embedded.ufcg.edu.br

... 1 Infrastructure connecting clients to server objects Page 481. 444 **Middleware** Support for Fault Tolerance Felber et al. ... An event **filter** is related to a fault consumer and is used to send a fault notification exactly to those parties that are interested in it. ...

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[\[PDF\] Pervasive and Mobile Computing Middleware](#)

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K Rindtorff... - Citeseer

... This is the objective of a pervasive Internet portal **middleware** or infra- structure, as presented here ... the layout of content available from the Internet cannot be based on the user-**agent** information alone ... Pages are downloaded from the Internet to the device during **synchronization**. ...

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[\[book\] Agent-based software development](#)

M Luck, MM Luck, R Ashri... - 2004 - books.google.com

... Page 2. Page 3. **Agent**-Based Software Development This one 8T62-JQS-K9BJ Page 4. ... For example, the World Wide Web, e-commerce, Grid computing, and distributed object technologies all suggest that **agent** technology has an important role in modern computing. ...

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[\[PDF\] Distributed systems management architectures](#)

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SD Taylor - 1996 - Citeseer

... the system-management functions. Some **middleware**, outside the scope of the OSI ... 3.

M-GET retrieves management information from an **agent's** MIB. 4. M-SET changes management information in an **agent's** MIB. ... **Synchronization** can be ...

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[Usage Tracking Components for Service-Oriented Middleware Systems](#)

[\[PDF\] from znanstvenici.hr](#)

D Skrobo, K Vladimir... - EDOC Conference Workshop, ..., 2008 - ieeexplore.ieee.org

... MonALISA consists of a collection of autonomous **agent**-based subsystems that cooperate ... mechanisms [18] are services that enable communication and **synchronization** of distributed ... Having the usage tracking **middleware** components defined as services brings two important ...

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X Shen, R Hage... - ... Interactive Simulation and ..., 2002 - ieeexplore.ieee.org

... VR) because it adds new dimensions to human-factors, networking, **synchronization**, **middleware**, object model ... web browser, the other the graphical interface for the speech **agent** associated with ... virtual worlds too many objects that require a certain **synchronization** or update ...

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Towards a **Middleware** Framework for Dynamically Reconfigurable Scientific Computing Kaoutar El Maghraouia, Travis

Dcslla, Bolcsław K. Szymanska, James D. ...

L Grandinetti - Grid computing: the new frontier of high ..., 2005 - books.google.com
... requests. When a process receives a migration notification, it initiates checkpointing
of its local data in the next **synchronization** point. Checkpointing ... efficiency. Each
IOS-ready node is equipped with a **middleware agent**. Agents ...

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B Kaddour... - 2006 - Citeseer

... by third parties to spy requests or modify messages exchanged between the **middleware** and
the ... an object – eg a logging activity initiated by a user A and a **synchronization** activity required ...
or method local variables while cached memory zones are allocated for the **agent** needs ...

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M Zargayouna, J Trassy... - Artificial Intelligence: Methodology, ..., 2006 - Springer
... 11. D. Weyns and T. Holvoet. A colored petri net for regional **synchronization** in
situated multi- **agent** systems. ... PNC. 12. M. Zargayouna, F. Balbo, and J. Saunier.

Agent information server: a **middleware** for traveler information. ...

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S Tong - Seminar on Internetworking, Helsinki University of ..., 1927 - cse.tkk.fi
... Agilla Agilla is mobile **agent** based **middleware** ... There is a cross-platform com- ponents under
layer of **middleware** API, so Runes solu- tion can be deployed on ... Kairos can decide to use loose
node **synchronization** or tight node **synchronization** base on programmer's purpose[7 ...

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M Harkema, D Quartel, R Van Der Mei... - 2003 - Citeseer

... Java a popular choice for implementing enterprise applications and off-the- shelf components,
such as **middleware** and business logic. ... garbage collection, method invocation, use of Java
monitors are to be logged (that implement **synchronization** and cooperation ... Profiler **agent** ...

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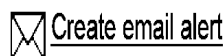
[HTML] Craig W. Thompson, University of Arkansas

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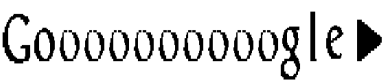
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... One high-level view of an overall architecture is that the edge technologies collect information;
enterprise or global **synchronization** networks **filter** that ... His research interests include software
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